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Manufacture of cationic dye-dyeable cyclic polyester oligomers with high yield as material for high-molecular weight polyesters with good dyeability

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Patent: Japan Kokai Tokkyo Koho ; JP 2002293902 A2 **Date:** 20021009

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Abstract:

Title oligomers are manufd. from (A) cationic dye-dyeable arom. dicarboxylic acids or their derivs. and diols, or (B) linear polyester oligomers obtained by esterification or transesterification of the dicarboxylic acids (derivs.) with diols. Thus, 83 parts ethylene glycol was esterified with 284 parts 5-sodiosulfoisophthalic acid and the resulting linear oligomer with d.p. 3.0 was cyclized in the presence of $\text{Ti}(\text{OCHMe}_2)_4$ in α -methyl-naphthalene to give 92% a cyclic oligomer with d.p. 3.0. (Abstract ordered from CAS)

Section:

CA237003 Plastics Manufacture and Processing

Identifiers: cationic dye dyeable polyester material, cyclic ethylene glycol sodiosulfoisophthalic acid oligomer manuf

Descriptors:

Dyes ...

cationic; manuf. of cationic dye-dyeable cyclic polyester oligomers as material for high-mol. wt. polyesters with good dyeability

Polyesters, preparation ...

cyclic, oligomeric; manuf. of cationic dye-dyeable cyclic polyester oligomers as material for high-mol. wt. polyesters with good dyeability

Polymerization ...

oligomerization; manuf. of cationic dye-dyeable cyclic polyester oligomers as material for high-mol. wt. polyesters with good dyeability

CAS Registry Numbers:

195519-64-3P 425629-38-5P 464885-71-0P 464892-52-2P cyclic, oligomeric; manuf. of cationic dye-dyeable cyclic polyester oligomers as material for high-mol. wt. polyesters with good dyeability

54640-34-5DP 56815-35-1DP 464885-64-1DP 464885-67-4DP cyclized, oligomeric; manuf. of cationic dye-dyeable cyclic polyester oligomers as material for high-mol. wt. polyesters with good dyeability

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